



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 11-21 Technical Advisory

October 19, 2011

DESIGN MEMORANDUM No. 11-21 TECHNICAL ADVISORY

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ David Boruff
David Boruff
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Technical Services Division

SUBJECT: Signal Conduit

REVISES: *Indiana Design Manual Section 77-5.05*

EFFECTIVE: January 11, 2012, Letting

Underground signal conduit is no longer limited to galvanized steel. Instead, the designer should now indicate which material type should be used. The conduit type should be determined based on the guidelines as follows.

1. PVC Schedule 40 or rigid fiberglass conduit should be used for that to be placed in a trench.
2. PVC Schedule 80 should be used for that to be jacked or bored, e.g., underneath pavement.
3. Galvanized steel may be used as requested or confirmed by the district traffic engineer as follows:
 - a. for a signal-modernization project to match the existing conduit; or
 - b. for new-signal construction.

As the practice of using PVC or rigid fiberglass conduit becomes more prevalent, the need for the designer to indicate the conduit type may not be necessary, as contractors will gain experience in using the material type that is appropriate for the application.

Recurring Special Provisions 805-T-169 and 922-T-168, both as revised 9-15-11, should be called for.

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